1	What	is	claimed	is
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- An apparatus for collecting samples for mass spectrometric 3 ànalysis, said apparatus comprising: 4
  - a tray for holding said sample material;
- a robotic interface; and 6
- a capillary having an inlet end and an outlet end; 7
- wherein said outlet end of said capillary is positioned such 8
- that ions produced from said samples are introduced into a mass 9
- analyzer, and wherein said inlet end of said capillary is 10
- 1**1** positioned by said robotic interface for accepting ions of said

12 samples.

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An apparatus according to claim 1, wherein said capillary 2. comprises a channel having a helical structure.

- 15 16 17
- An apparatus according to claim 1, wherein said inlet ends 18 and said outlet ends comprise conductive end caps.

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An apparatus according to claim 1, wherein said ions are 20 transported from an ionization source into a first vacuum region 21 of a mass spectrometer. 22

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An apparatus according to claim 4, wherein said ionization 24 source is an API source. 25

- An apparatus according to claim 4, wherein said ionization 1
- source is an ESI device. 2

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An apparatus according to claim 4, wherein said ionization 4 source is a pneumatic assisted electrospray source. 5

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- 7 8. An apparatus according to claim 4, wherein said ionization
- source is an electron impact source. 8

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10 11 12 13 An apparatus according to claim 4, wherein said ionization source is a chemical ionization source.

An apparatus according to claim 4, wherein said ionization 14 source is a matrix assisted laser desorption ionization source.

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16± 11. An apparatus according to claim 4, wherein said ionization 重 1**元** source is a plasma desorption source.

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An apparatus according to claim 4, wherein said ionization 19 20 source uses liquid chromatography.

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An apparatus according to claim 1, wherein said apparatus is 22 used to multiplex sample materials. 23

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An apparatus for collecting samples for analysis in a mass 25

140-048

1	spectrometer, said apparatus comprising:
2	a tray for holding said sample material;
3	a robotic interface;
4	first and second capillary sections each having an
5	inlet end and an outlet end; and
6	a union having first and second openings;
7	wherein said outlet end of said first capillary section is
8	removably positioned within said first opening of said union, and
9	wherein said inlet of said second capillary section is removably
10 11 <u>0</u> 11 <u>0</u> 12 <u>0</u>	positioned within said second opening of said union.
124	15. An apparatus according to claim 14, wherein said first
135	section comprises a channel having a helical structure.
15 可 16 1 <b>万</b>	16. An apparatus according to claim 14, wherein said union
Մ! 1.6≟	comprises means for removably securing said ends of said first
1 <del>-</del>	and second sections.
19	17. An apparatus according to claim 14, wherein said union
20	comprises means for providing an airtight seal between said ends

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18. An apparatus according to claim 14, wherein said inlet ends and said outlet ends comprise conductive end caps.

of said first and second sections within said union.

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- An apparatus according to claim 1, wherein said ions are 1
- transported from an ionization source into a first vacuum region 2
- of a mass spectrometer. 3

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- An apparatus according to claim 19, wherein said ionization 5
- source is an API source. 6

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- An apparatus according to claim 19, wherein said ionization 8
- 9 source is an ESI device.

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- 22. An apparatus according to claim 19, wherein said ionization 11
- 12 13 13 source is a pneumatic assisted electrospray source.

- 23. An apparatus according to claim 19, wherein said ionization 14
- 15 source is an electron impact source.

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24. An apparatus according to claim 19, wherein said ionization 18 source is a chemical ionization source.

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- An apparatus according to claim 19, wherein said ionization 20
- source is a matrix assisted laser desorption ionization source. 21

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- An apparatus according to claim 19, wherein said ionization 23
- source is a plasma desorption source. 24

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27. An apparatus according to claim 19, wherein said ionization source uses liquid chromatography. 

28. An apparatus according to claim 14, wherein said apparatus is used to multiplex sample materials.